

ABSTRACT

5 The invention aims to provide a phosphor multilayer
eliminating a need for filters, having a satisfactory color
purity and useful in white monochromatic EL devices, and an
EL panel. Such objects are achieved by a phosphor
multilayer comprising at least a first thin film and a
second thin film wherein the first thin film is formed of a
10 matrix material comprising barium aluminate as a main
component, containing sulfur element and further containing
Eu as a luminescent center, and the second thin film is
formed of a matrix material comprising zinc sulfide as a
main component, and an EL panel using the same.